

# 13

## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME	AF100 S
PRODUCT USE	Fire Suppressant/Flame Retardant
CHEMICAL NATURE	Phosphate
SUPPLIER	JS CHEM 1139-7, Seryu-dong, Gwonseon-gu, Suwon-si, Kyeonggi-do, Korea

### WORK PLACE HAZARDOUS MATERIAL INFORMATION SYSTEM (WHMIS)

WHMIS  
Not Classified

NFPA  
Health - 1  
Fire - 0  
Reactivity - 0  
Special

[ 4 - Extreme, 3 - High, 2 - Moderate, 1 - Slight, 0 - Insignificant ]

### SECTION 2: HAZARDOUS INGREDIENTS

Components	LD50/Species (Specify Species and Route)	LC50 of ingredient (Specify Species)	CAS No
Ammonium Phosphate, Dibasic (98% up)			7783-28-0
ITC - Test Toxic > 30% w/vol		Fish Toxic > 2.5% w/vol	

### SECTION 3: PHYSICAL DATA

Physical State	: Solid
Color and Appearance	: White, Dry powder
Odor Threshold (ppm)	: None
Vapour Pressure (mmHg)	: NA
Evaporation Rate	: NA
Boiling Point	: > 160°C
Freezing Point	: None
Specific Gravity	: 1.515
pH	: 7.7~8.1 at 25°C

#### SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

Autoign Temp.	: Not Applicable
Flash Point	: Not Applicable
Conditions of Flammability	: Not Flammable
Extinguishing Agents	: Not Applicable

#### SECTION 5 : REACTIVITY DATA

Chemical Stability	: Indefinite at room temperature
Incompatibility with other substances	: Avoid strong basic materials, acids
Reactivity and under what conditions	: None
Hazardous Decomposition Products	: None

#### SECTION 6 : TOXICOLOGICAL PROPERTIES HEALTH EFFECTS

Route of Entry	
✓ Skin Contact	
— Skin Absorption	
✓ Eye Contact - rinse with water	
✓ Inhalation - avoid inhaling, may cause dizziness	
✓ Ingestion - drink large volumes of water	
Effects of Acute Exposure to Product	: May cause dizziness /skin irritant/upset stomach
Effects of Chronic Exposure to Product	
Exposure Limits	
Irritancy of Product	
Sensitization to Product	
Carcinogenicity	
Teratogenicity	
Reproductive Toxicity	
Mutagenicity	: Non-mutagenic
Synergistic Products	

#### SECTION 7 : PREVENTIVE MEASURES

Personal Protective Equipment	: No special equipment necessary
Gloves (Specify)	: Standard
Eye (Specify)	: Standard eye goggles
Footwear (Specify)	: Standard work wear
Clothing (Specify)	: Standard
Engineering Controls (Specify) i.e. : Ventilation, enclosed process	: Keep area well ventilated
Leak and Spill Procedure	: Flush area with water
Water Disposal	: Dilute with water 1% vol/vol then discard in accordance with local and federal regulations
Handling Procedures and Equipment	: Standard handling
Respirator (Specify)	: Dust protection
Other (Specify)	

## SECTION 8 : FIRST AID MEASURES

### *Specific Measures :*

*Inhalation*

*Ingestion*

*Eyes*

*Skin*

: Avoid direct respiration of dust

: Drink large volumes of water, consult a physician

: flush with cool water, consult a physician

: Wash face thoroughly with soap and water

## SECTION 9 : STORAGE & TRANSPORT INFORMATION

*TDG CLASSIFICATION*

*PACKAGE GROUP*

: NOT A DANGEROUS GOOD

: PRODUCT IDENTIFICATION NUMBER (PIN) - N/A

## SECTION 10 : PREPARATION DATE MSDS

*PREPARED BY*

*DATE*

*PHONE NUMBER*

: JS CHEM

: 01/20/2003

: +82-31-222-4824